

DEPARTMENT OF ELECTRICAL/ELECTRONICS ENGINEERING

100 LEVEL 1ST SEMESTER						
COURSE CODE		COURSE TITLE	L	T	P	Units
CHE 101	R	General Chemistry I	2	1	3	4
MEE 101	R	Engineering Drawing I	1	-	6	3
CVE 105	R	History and Philosophy of Science and Technology	2	-	-	2
GNS 101	R	Use of English I	1	1	-	2
GNS 103	R	Information Retrieval	1	-	-	1
MTS 101	R	Introductory Mathematics I	2	1	-	3
PHY 101	R	General Physics I	2	1	-	3
PHY 103	R	General Physics III.	1	1	-	2
PHY 107	R	General Physics Laboratory I.	-	-	3	1
Total						21

100 LEVEL 2ND SEMESTER						
COURSE CODE		COURSE TITLE	L	T	P	Units
CHE 102	R	General Chemistry II	2	1	3	4
CSC 102	R	Introduction to Computing	2	-	-	2
MEE 102	R	Workshop practice	0	-	6	2
GNS 102	R	Use of English II	1	1	-	2
GNS 106	R	Logic & Philosophy	1	1	-	2
MTS 102	R	Introductory Mathematics II	2	1	-	3
MTS 104	R	Introductory Applied Mathematics III	2	1	-	3
PHY 102	R	General Physics II	2	1	-	3
PHY 108	R	General Physics Laboratory II	-	-	3	1
Total						22

200 LEVEL 1ST SEMESTER						
COURSE CODE		COURSE TITLE	L	T	P	Units
CHE 205	R	Physical Chemistry I	1	-	3	2
CSC 201	R	Introduction to Fortran Programming	2	-	3	3
CSP 201	R	General Agriculture (Theory)	1	-	-	1
MEE 201	R	Manufacturing Technology I	1	-	3	2
MNE 201	R	Engineer- in-Society	1	-	-	1
MME 201	R	Science of Materials	2	1	-	3
MEE 207	R	Applied Mechanics	2	1	-	3
EEE 201	C	Basic Electrical & Electronics Engineering I	2	-	3	3
MTS 201	R	Mathematical Methods I	2	1	-	3
Total						21

<i>University Required/Audited Courses for D.E students</i>						
COURSE CODE		COURSE TITLE	L	T	P	Units
GNS 101	R	Use of English I	1	1	0	2
GNS 103	R	Information Retrieval	1	0	0	1
MEE 101	R	Engineering Drawing I	1	0	6	3

200 LEVEL 2ND SEMESTER						
COURSE CODE		COURSE TITLE	L	T	P	Units
CSC 202	R	Comparative Programming Languages	2	-	3	3
CSP 210	R	General Agriculture (Practical)	-	-	6	2

CVE 202	R	Strength of Materials I	2	-	3	3
AGE 204	R	Basic Fluid Mechanics	2	-	3	3
MEE 206	C	Basic Thermodynamics	2	1	-	3
MEE 202	R	Engineering Drawing II	1	-	6	3
EEE 202	R	Basic Electrical & Electronics Engineering II	2	-	3	3
MTS 202	R	Numerical Analysis I	2	1	-	3
Total						23

<i>University Required/Audited Courses for D.E students</i>						
MEE 102	R	Workshop practice	0	-	6	2
GNS 102	R	Use of English II	1	1	-	2
GNS 106	R	Logic and Philosophy	1	1	-	2

300 LEVEL 1ST SEMESTER						
COURSE CODE		COURSE TITLE	L	T	P	Units
EEE 301	C	Measurements and Instrumentation	2	-	-	2
EEE 303	C	Electronics Engineering I	2	1	-	3
EEE 305	C	Electromagnetic Field Theory I	2	-	-	2
EEE 307	C	Electrical Machines I	2	1	-	3
EEE 309	C	Computer Software Applications in Electrical Eng.	2	-	3	3
EEE 311	C	Electrical Circuit Theory I	2	1	-	3
EEE 313	C	Electrical/Electronic Laboratory I	-	-	3	1
AGE 301	R	Engineering Statistics	2	-	-	2
MTS 315	C	Engineering Mathematics I	2	-	-	2
EMT 301	R	Introduction to Entrepreneurship	2	-	-	2
Total						23

300 LEVEL 2ND SEMESTER						
COURSE CODE		COURSE TITLE	L	T	P	Units
EEE 302	C	Electrical Engineering II	2	1	-	3
EEE 304	C	Electromagnetic Wave Theory	2	1	-	3
EEE 306	C	Electrical Circuit Theory II	2	1	-	3
EEE 308	C	Electrical Machines II	2	1	-	3
EEE 314	C	Technical Report Writing	2	-	-	2
EEE 310	C	Electrical/Electronic Laboratory II	-	-	3	1
PMT 210	R	Principles of Economics	2	1	-	3
MTS 316	R	Engineering Mathematics III	2	1	-	3
EMT 302	R	Practical Skills in Entrepreneurship	-	-	9	3
Total						24

400 LEVEL 1ST SEMESTER						
COURSE CODE		COURSE TITLE	L	T	P	Units
EEE 401	C	Control Engineering I	2	1	-	3
EEE 403	C	Electronics Engineering III	2	1	-	3
EEE 405	C	Communication Principles	2	1	-	3
EEE 407	C	Engineering Computational Methods	1	-	3	2
EEE 409	C	Computer Engineering	2	-	3	3
EEE 411	C	Electric Power Principles	2	1	-	3
EEE 413	C	Electrical/Electronic Laboratory III	-	-	3	1
MTS 415	R	Engineering Mathematics III	2	1	-	3
Total						21

400 LEVEL 2 ND SEMESTER LONG VACATION STUDENTS INDUSTRIAL WORK						
COURSE CODE		COURSE TITLE	L	T	P	Units
EEE 402	C	Industrial Training Assessed by Industry based Supervisors	0	0	0	4
EEE 404	C	Industrial Training Assessed by FUTA Supervisors	0	0	0	4
EEE 406	C	Student's Report and Seminar presentation	0	0	0	4
	Total					12

500 LEVEL 1 ST SEMESTER						
COURSE CODE		COURSE TITLE	L	T	P	Units
EEE 501	C	Engineering Economics and Management	2	1	-	3
EEE 503	C	Control Engineering II	2	-	3	3
EEE 505	C	Digital Signal Processing	2	-	3	3
EEE 507	C	Electrical Services Design	2	1	-	3
EEE 599	C	Final Year Student's Project	-	-	18	6
		Electives				6
		Total				24
Departmental Electives: Students are required to take a minimum of six units from any of the following courses;						

COURSE CODE		COURSE TITLE	L	T	P	Units
	GROUP A:	Communication/Electronics				
EEE 509	E	Communication Systems	2	-	3	3
EEE 511	E	Computer Communication Principles	2	1	-	3
EEE 513	E	Power Electronic Devices and Applications	2	-	3	3
	GROUP B:	Computer Control and Instrumentation				
EEE 511	E	Computer Communication Principles	2	1	-	3
EEE 515	E	Object Oriented Programming & Computer Simulation	2	-	3	3
EEE 517	E	Instrumentation Engineering	2	-	3	3
	GROUP C:	Power & Machines				
EEE 519	E	Power System Engineering	2	1	-	3
EEE 513	E	Power Electronic Devices & Applications	2	-	3	3
EEE 521	E	Energy Conversion & Storage	2	1	-	3
2ND SEMESTER						
COURSE CODE		COURSE TITLE	L	T	P	Units
EEE 502	C	Engineering Law and Management	2	1	-	3
EEE 504	C	Digital Communication	2	1	-	3
EEE 506	C	Reliability and Maintainability of Systems	2	1	-	3
EEE 508	C	Seminar	-	1	-	1
		Electives				6
		Total				16
Departmental Electives: Students are required to take a minimum of six units from any of the following courses;						
COURSE CODE		COURSE TITLE	L	T	P	Units
	GROUP A:	Communications/Electronics				
EEE 510	E	Wireless Communications	2	1	-	3

EEE 512	E	Radio Frequency Spectrum Management	2	1	-	3
EEE 514	E	Antenna Theory and Radar Systems	2	-	3	3
EEE 516	E	Radio & Television Broadcasting	2	-	3	3
	GROUP B:	Computer Control and Instrumentation				
EEE 518	E	Control Engineering III	2	-	3	3
EEE 520	E	Computer Applications in consumer Electronics & Industry	2	1	-	3
EEE 522	E	Non Linear Control Theory	2	1	-	3
	GROUP C:	Power & Machines				
EEE 524	E	Power System Engineering II	2	1	-	3
EEE 526	E	High Voltage engineering	2	1	-	3
EEE 528	E	Machines Applications and Protection	2	-	3	3
NB: R = University/School Required Course C= Core Course, E= Elective						